



Joint Capabilities Integration and Development System (JCIDS)

Nov 2010



Developing Requirements

- **The Requirements Environment**
- **Sequence of events**
 - **Analysis**
 - **Initial Documentation**
 - **Transitions to actions that provide solutions**
- **Non-Materiel solutions**
- **JCIDS interactions with developing materiel solutions**
- **Requirements Approval structure**



The Requirements Environment

Finding the balance between:

COCOM near-term
requirements to
support CONPLANs and
current missions

and

Services' long
range vision &
investment plans

Versatile, joint systems

and

Systems optimized
for service
missions

Growing demands

and

Fiscal & political
constraints

Geographic specificity

and

Worldwide applicability

Ambitious
requirements

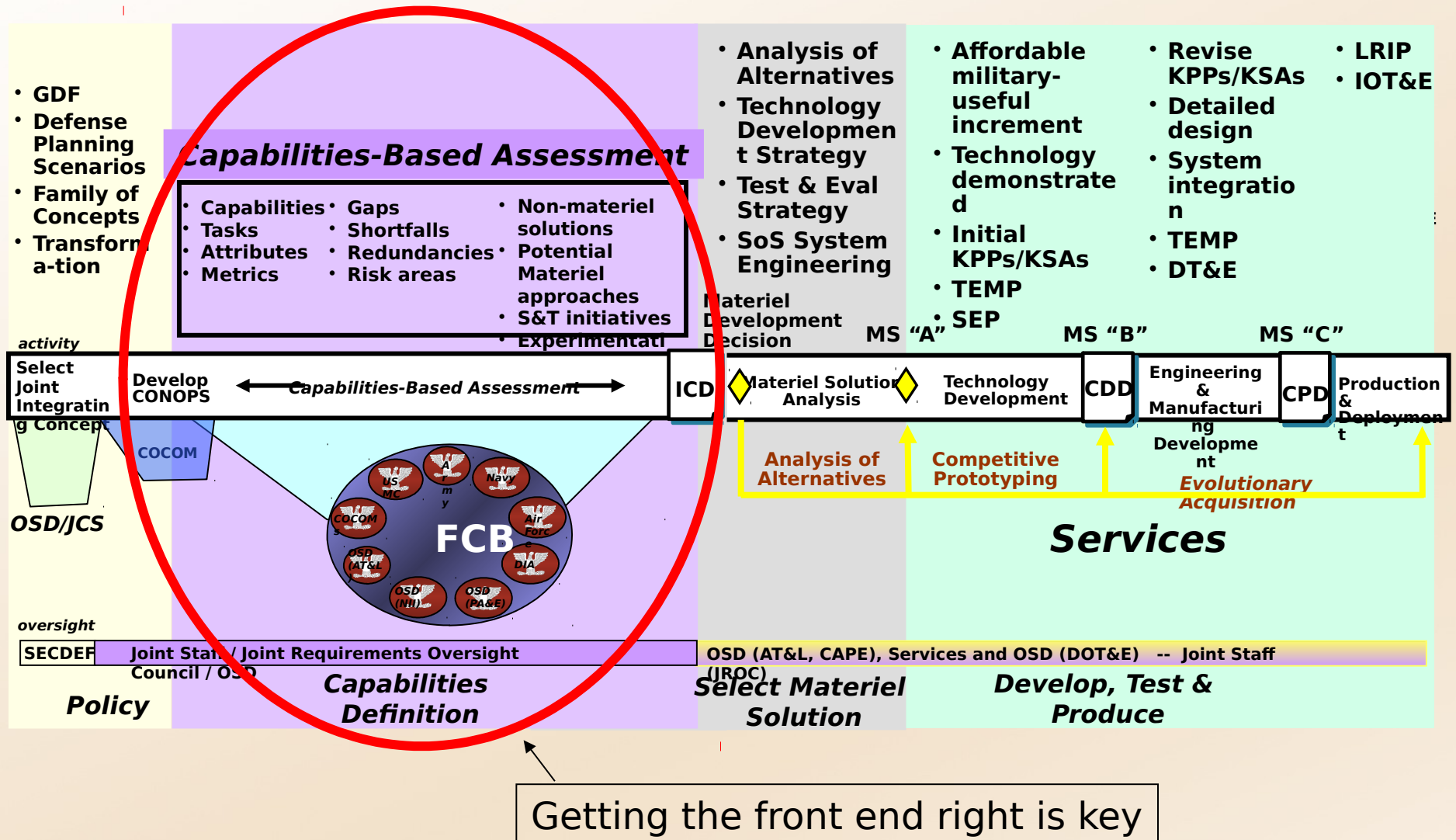
and

Achievable acquisition
strategy

Quantity matters

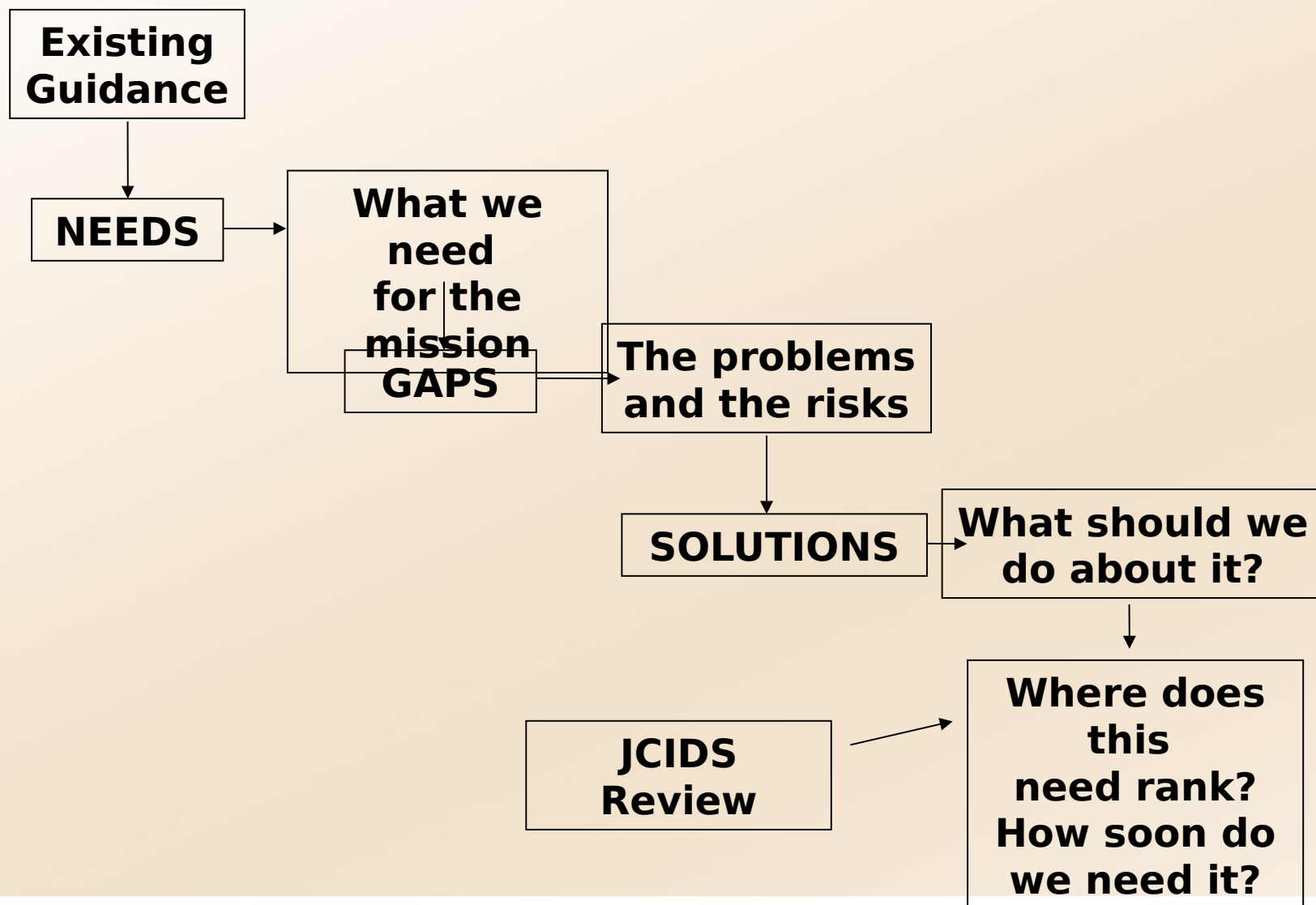
and

High-end
capabilities





Capabilities-Based Assessment





Identifying Needs and Potential Solutions

- **CBA Recommendations:**
 - Transformational solutions
 - Evolution of existing capabilities
 - Information technology solutions
- **Information for an Analysis of Alternatives (AoA)**
- **Managers must communicate to avoid disconnects over seams between JCIDS, DAS, and PPBE**
- **CBA Documentation:**
 - Initial Capabilities Document
 - DOTmLPF Change Recommendation

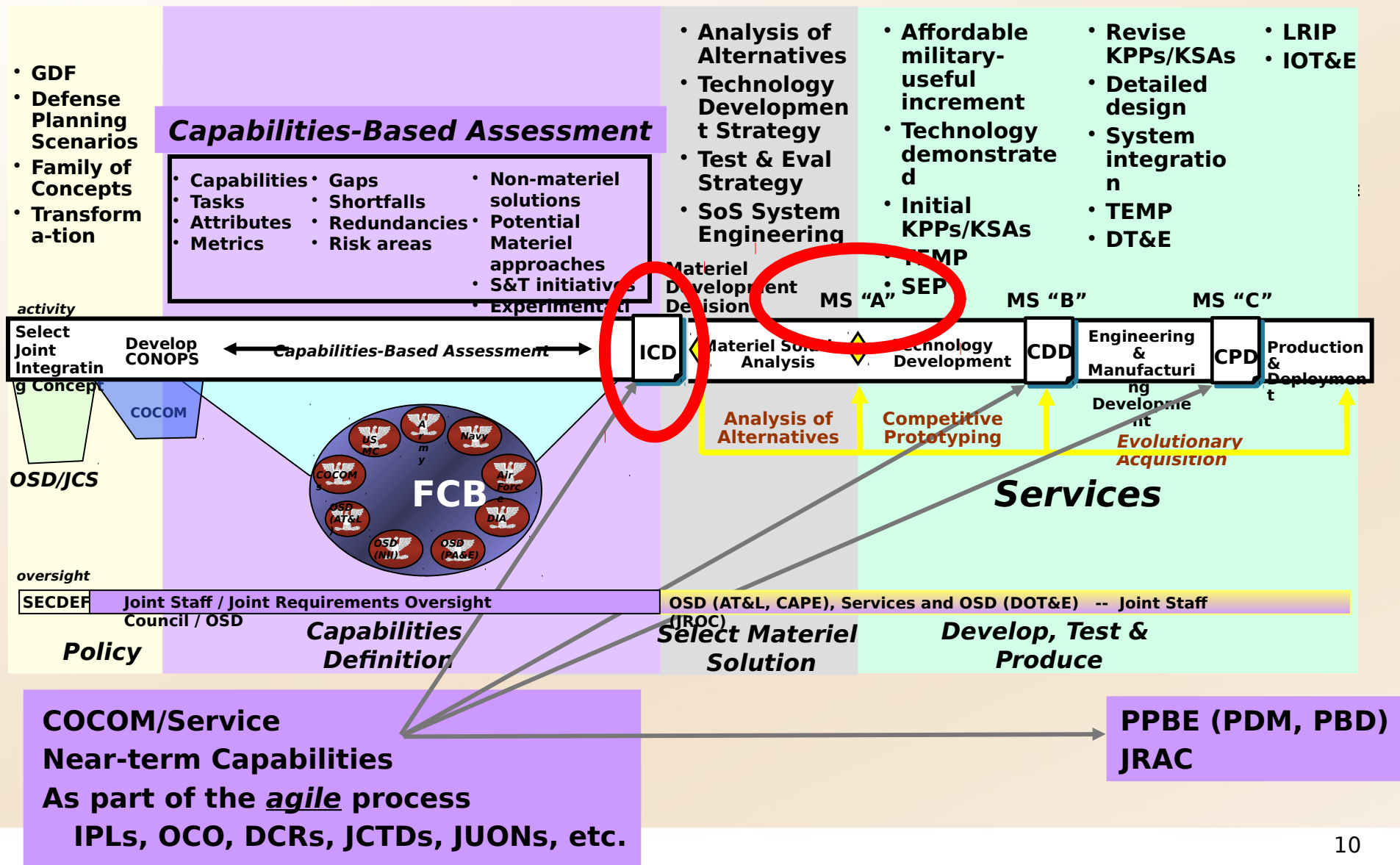
- ***Initial Capabilities Document (MS A)***
 - Documents Capabilities-Based Assessment (CBA) Results - specifically Capability Gaps
 - Identifies relevant operational performance attributes
 - Documents the recommendation on the need for a materiel solution and potential non-material solutions
 - Predecessor for the Capabilities Development Document
 - Key review question: How to prioritize warfighting gaps?



Operational Performance Attributes

- **Attributes necessary to design a proposed system**
- **Establish a performance baseline**
- **Guide development and demonstration**
- **Guide development of Key Performance Parameters (KPPs) for inclusion in Capabilities Development Document**

- ***Joint DCR - DOTmLPF Change Request***
 - **When DoD Decides a Joint Non- Materiel Solution is appropriate**
 - **Non-Materiel Solutions**
 - Change policy
 - Change doctrine
 - Reorganize
 - Train and educate DOD personnel differently
 - Acquire commercial or non-developmental items
 - Acquire more quantities of existing items
 - Add or reassign personnel
 - Move or realign facilities
 - **Sometimes Called DOT_LPF**





Key JCIDS Development Documents

- **Capability Development Document (MS B)**
 - **Defines Performance Requirements to Achieve the Capability**
 - **Identifies KPPs, KSAs, and additional attributes**
 - **Attributes should be Authoritative, Measurable and Testable**
 - **Describes DOTMLPF and Policy Constraints associated with the solution**
 - **May describe multiple increments**
 - **Provides operational capabilities for the acquisition strategy and the Acquisition Program Baseline (APB)**
 - **Insert all CDD KPPs and Sustainment KSAs verbatim into the APB**



Key Performance Parameters (KPPs)

- **Attributes or characteristics of a system**
- **Critical or essential**
 - **To develop an effective military capability**
 - **To make a significant contribution to the characteristics of the future joint force**
- **KPPs must be testable**
 - **Enable feedback from T&E**
- **Mandatory vs. Selectively applied KPPs**
 - **Net Ready KPP, Sustainment KPP**
 - **Training KPP, Energy Efficiency KPP**
- **Validated by the JROC for JROC interest documents**
- **Failure to meet a KPP results in reevaluation or reassessment of the program**

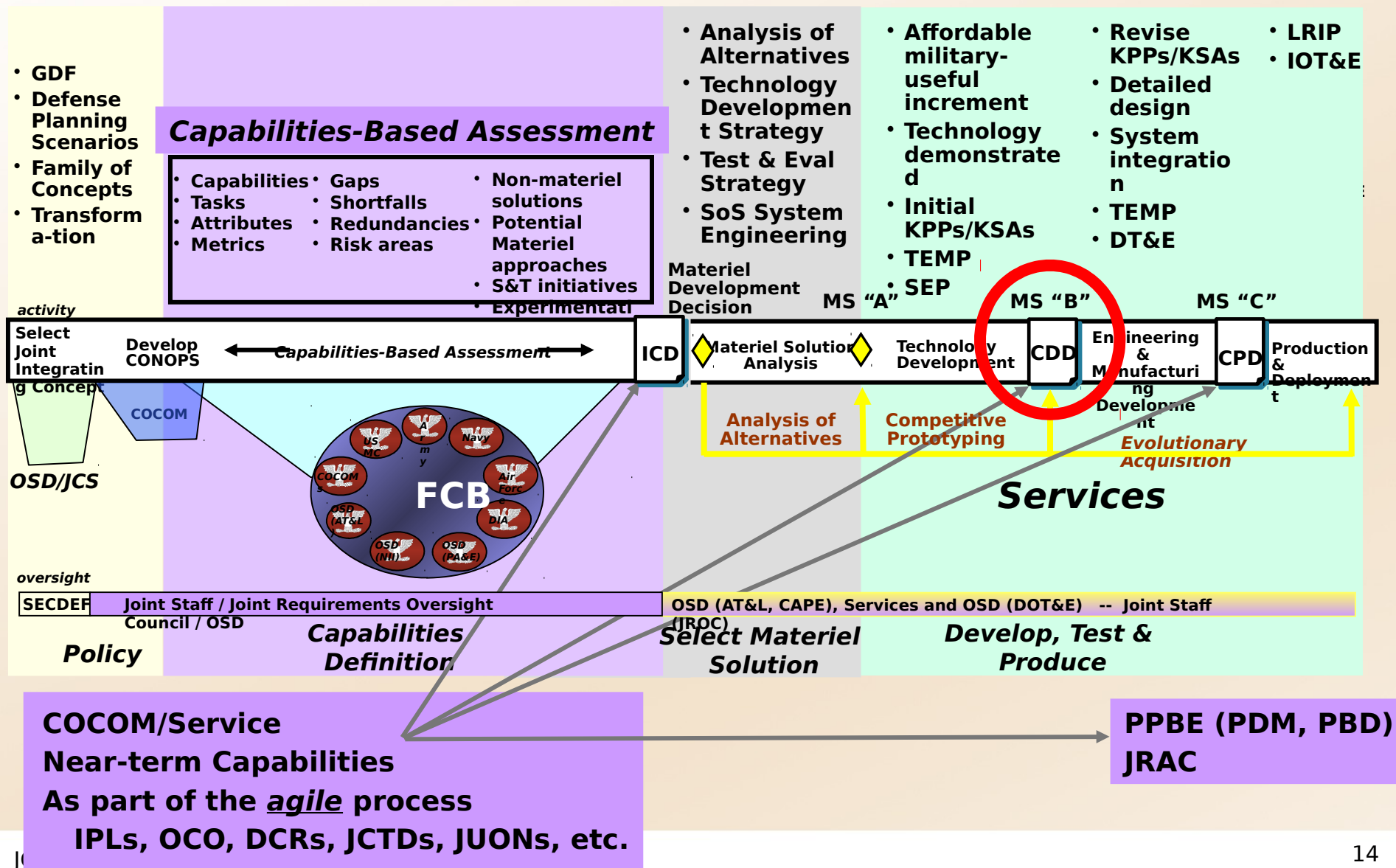


Key System Attributes (KSAs)

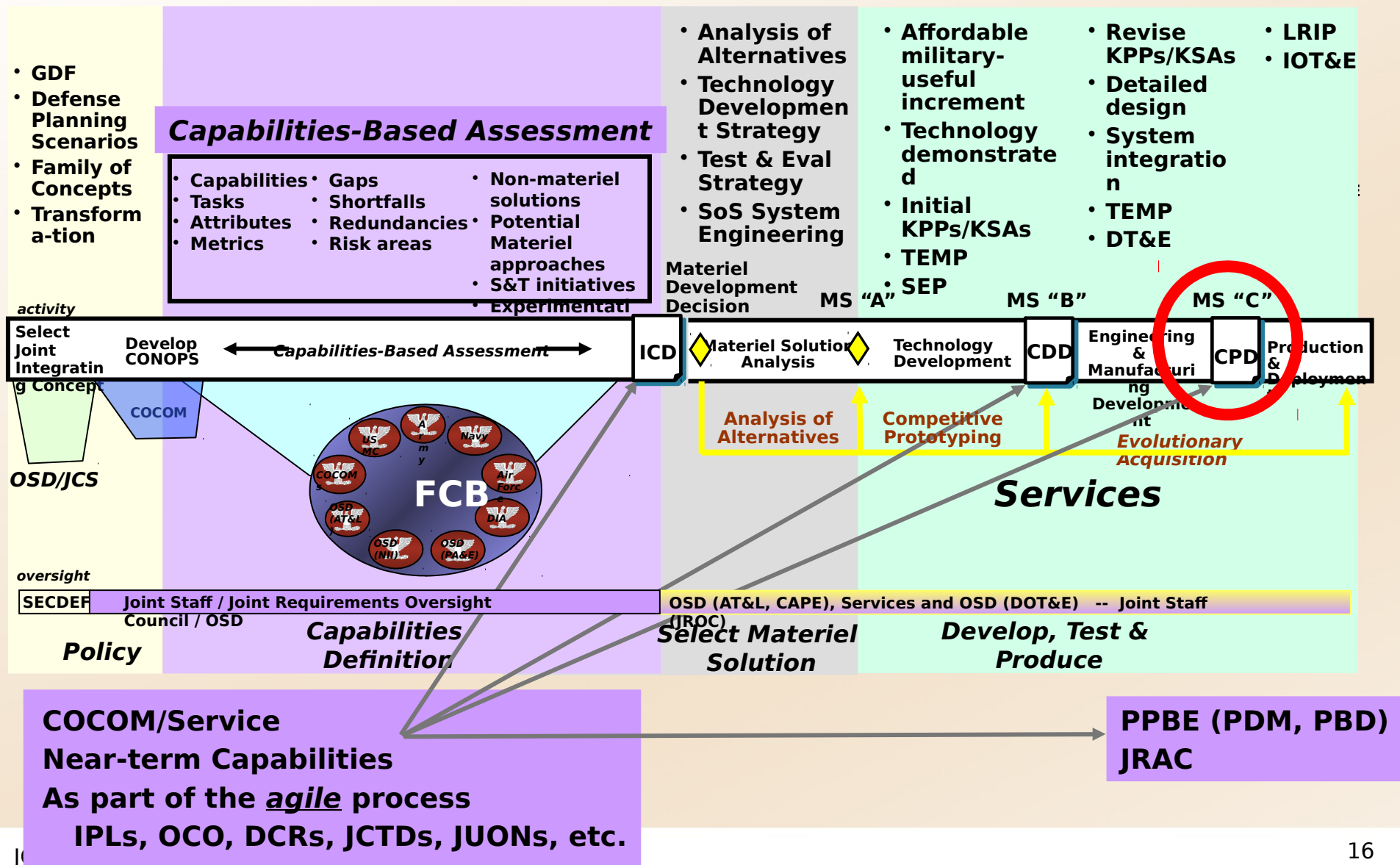
- **Attributes most critical or essential**
- **Not selected as a KPP**
- **An additional level of capability prioritization below the KPP**
- **Only senior leadership can change a KSA**
 - **Sponsor 4-star**
 - **Defense Agency Commander**
 - **Principal Staff Assistant**



JCIDS and Acquisition



- ***Capability Production Document (MS C)***
 - **Supports Production and Development of one increment**
 - **Documents Authoritative, Testable Capabilities**
 - **Support Production, Testing, and Deployment**
 - **May describe Incremental Production and Deployment**
 - **No New Requirements**
 - **Must meet Operational Performance Attributes**



Differences Between the CDD and the CPD

CDD	CPD
Focus on Design	Focus on Production
All Increments	A Specific Increment
KPPs to Help Evaluate Alternative Designs	KPPs Refined and Tailored to the Proposed System

JROC DECISION CHAIN



FINAL DECISION AUTHORITY

CJCS

ADVICE TO SECDEF

JROC

**RECOMMENDATION APPROVAL/
TOP LEVEL GUIDANCE**

JCB

ISSUE DEVELOPMENT

FCB

INITIAL ISSUE REVIEW

FCB WG

ANALYTIC FOUNDATION

JROC MEMBERSHIP

Chair: VCJCS

Council Members:

- Vice Chief of Staff, Army
- Vice Chief of Naval Operations
- Vice Chief of Staff, Air Force
- Assistant Commandant of the Marine Corps

JROC: Joint Requirements Oversight Council
JCB: Joint Capabilities Board
FCB: Functional Capabilities Board
FCB WG: Functional Capabilities Board Working Group

COCOMs must be consulted and have a standing invitation to attend all JROC sessions; AT&L, CAPE, and Comptroller attend as JROC advisors

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Functional Capability Boards

**Command
& Control**

**Battlespace
Awareness**

**Logistic
s**

**Force
Support**

Protection

**Force
Application**

Net-Centric

**Building
Partnerships**

CB Membership: (O-6 level - not all-inclusive)

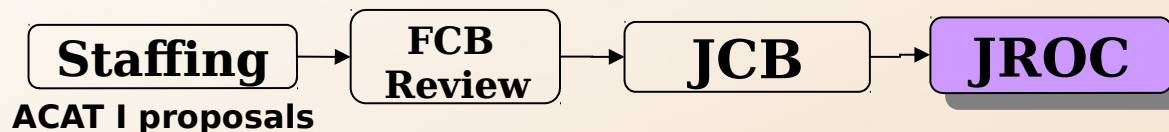
Services
Combatant Command Reps
SD (AT&L)
SD (I)
Comptroller

ASD NII/ DOD CIO
D, CAPE
DIA Rep (Threat)
ODNI/IRB
Other DoD Agencies as necessary

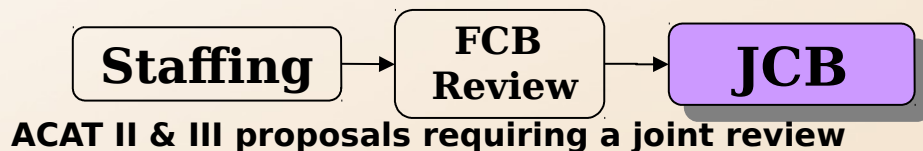
OSD(P)
DOT&E

- **Perform an initial review of all JCIDS proposals**
 - **Support provided by J6, J8, FCB WGs**
- **The Gatekeeper will determine:**
 - **Joint Potential Designator**
 - **JROC Interest**
 - **JCB Interest**
 - **Joint Integration**
 - **Joint Information**
 - **Independent**
 - **Lead and supporting Functional Capabilities Boards**
- **Formal Staffing begins after Gatekeeper decisions**

JROC Interest



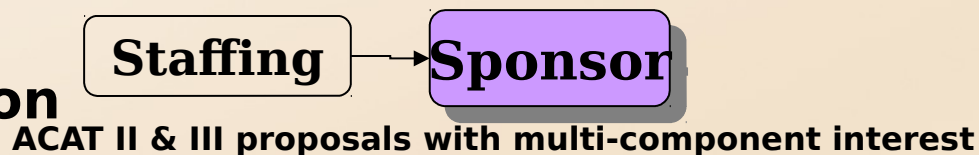
JCB Interest



Joint Integration



Joint Information

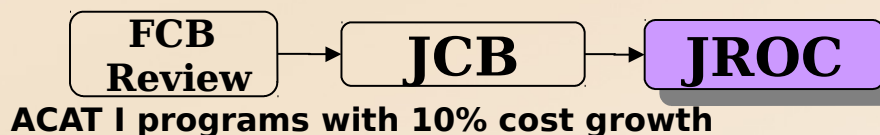


Independent Sponsor



Validation Authority

Tripwires



- **The need for flexible capabilities**
- **Begin with analysis**
- **Analysis leads to action**
- **Non-Materiel solutions**
 - **The DOTMLPF Change Recommendation (DCR)**
- **Materiel solutions**
 - **Initial Capabilities Document (ICD)**
 - **Capability Development Document (CDD)**
 - **Capability Production Document (CPD)**
- **Process is under review to improve timeliness and aid in improved acquisition performance**